

AMENDMENT TO THE DRAWINGS

The attached sheet(s) of drawings includes changes to Figs. 3, 16, 17, 42, 43, 62, 75, and 79. Also attached are annotated sheets showing the changes made to Figs. 3, 16, 17, 42, 43, 62, 75, and 79.

Attachment: Replacement Sheet(s), eight pages
Annotated Sheet(s) Showing Changes, eight pages

REMARKS

If clarification of the amendment or application is desired, or if issues are present which the Examiner believes may be quickly resolved, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 18-0160, our Order No. SAT-16312.

Respectfully submitted,

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By



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FIG.3

POSTURE

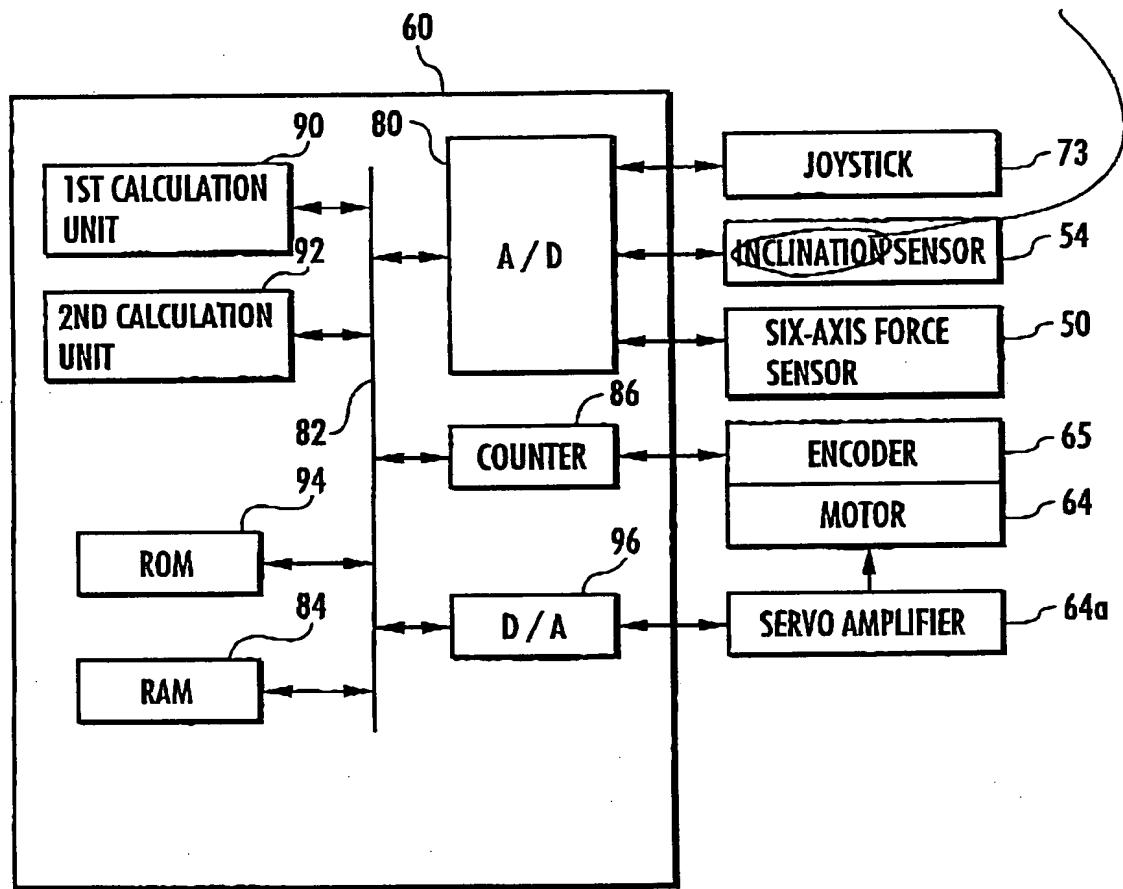


FIG.16

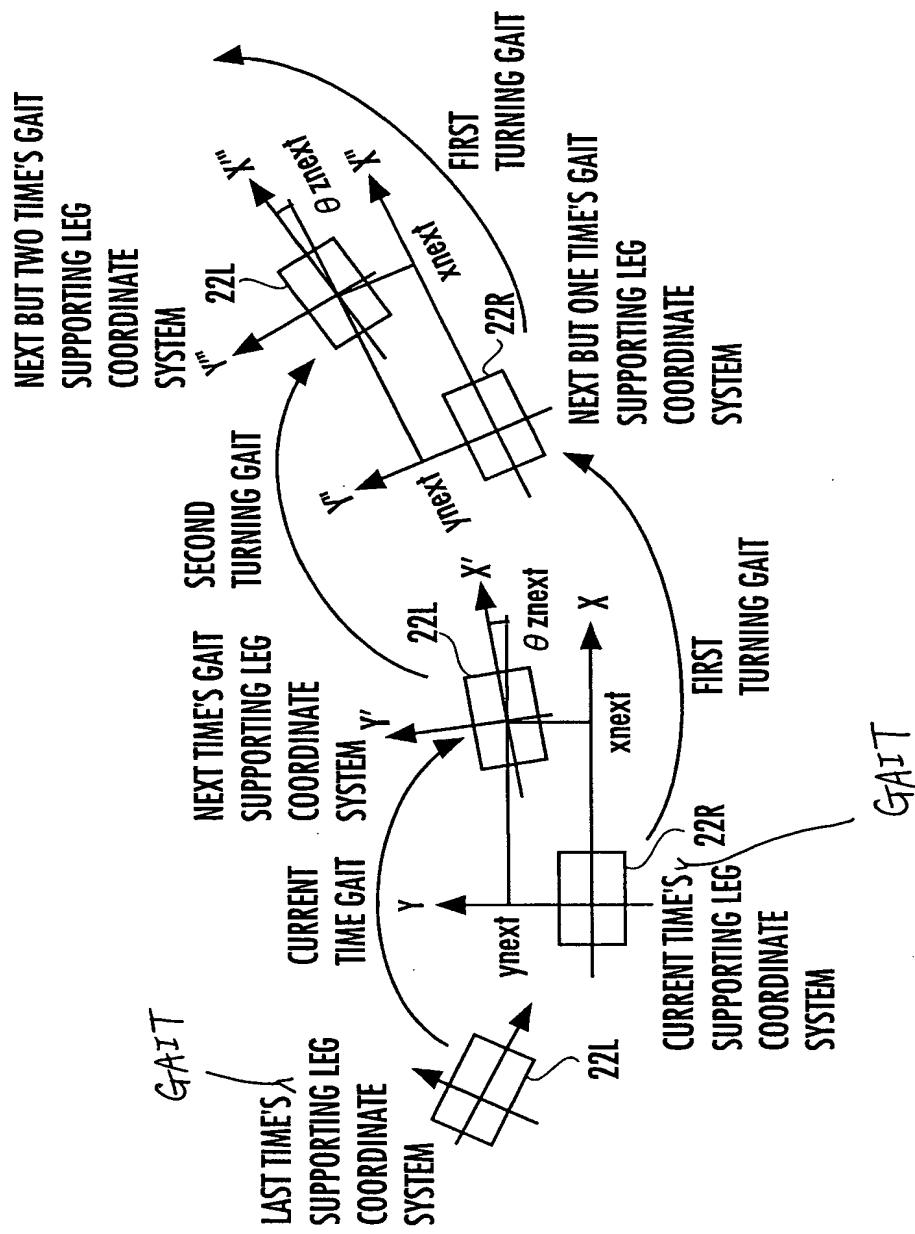
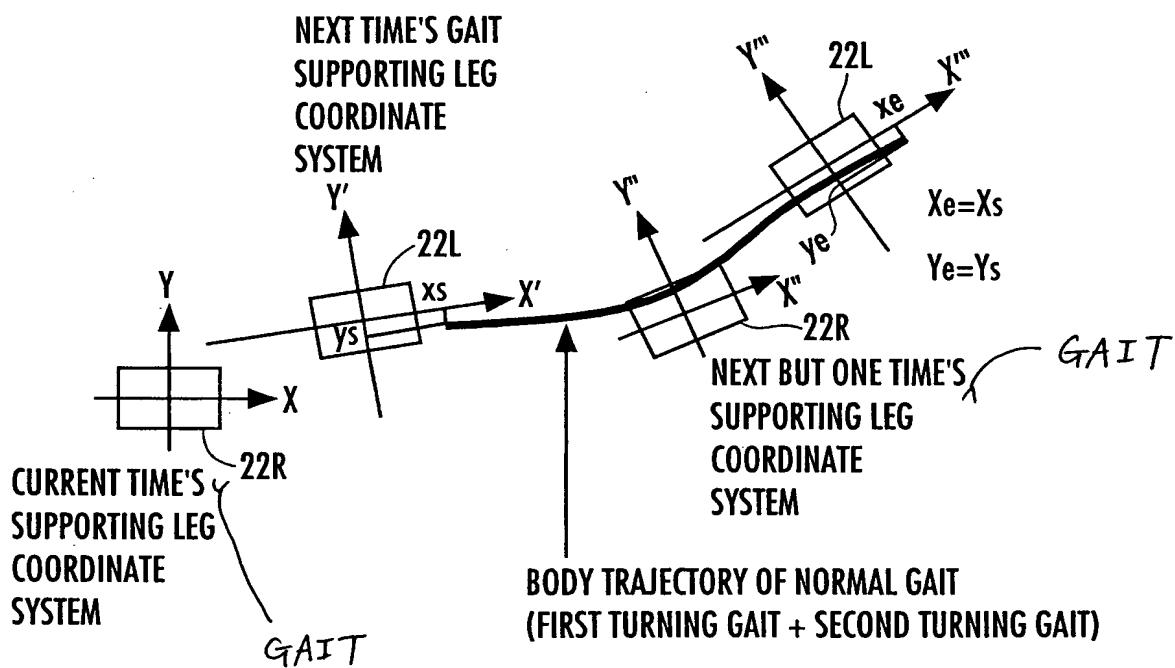


FIG.17



ENTRY

FIG.42

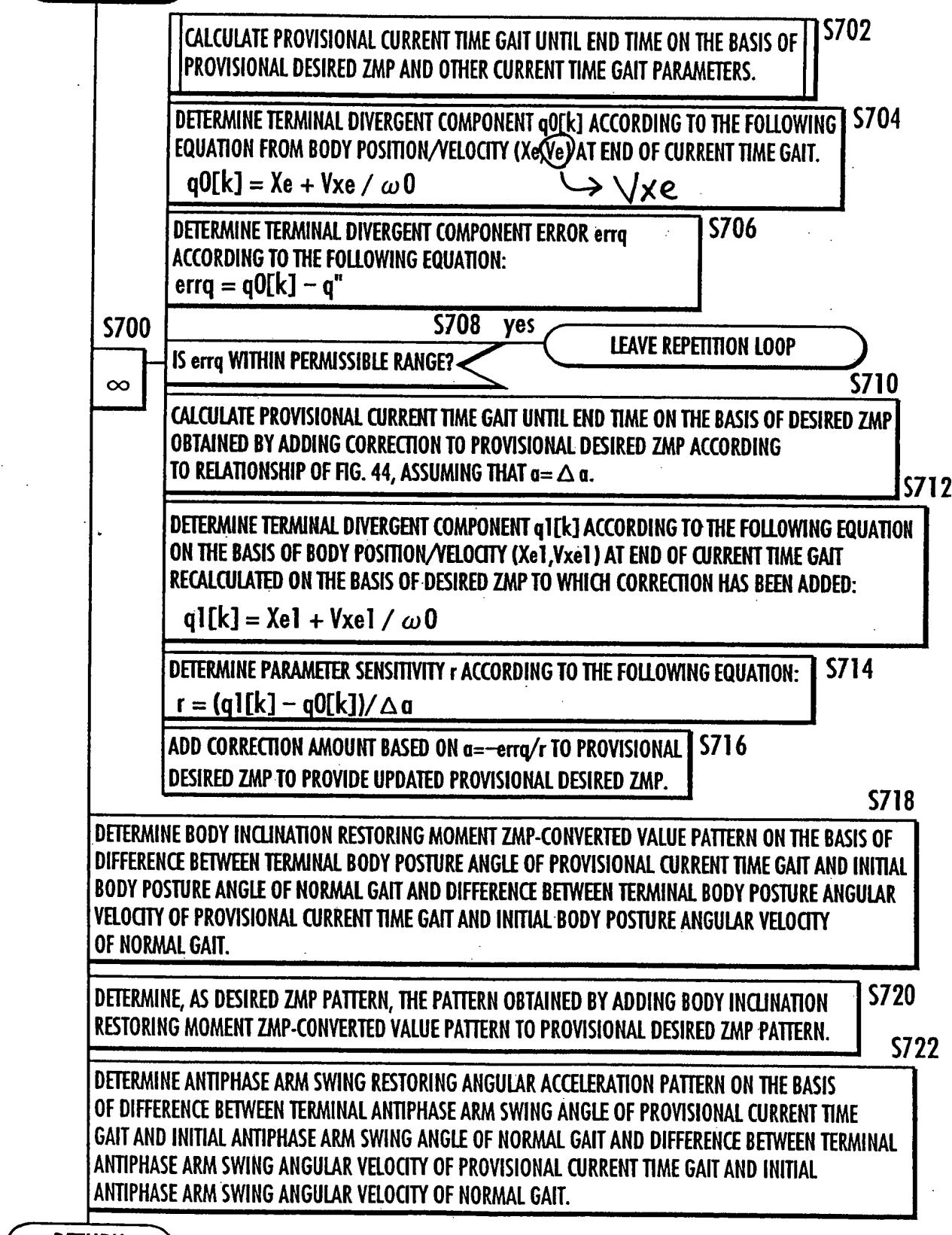


FIG.43

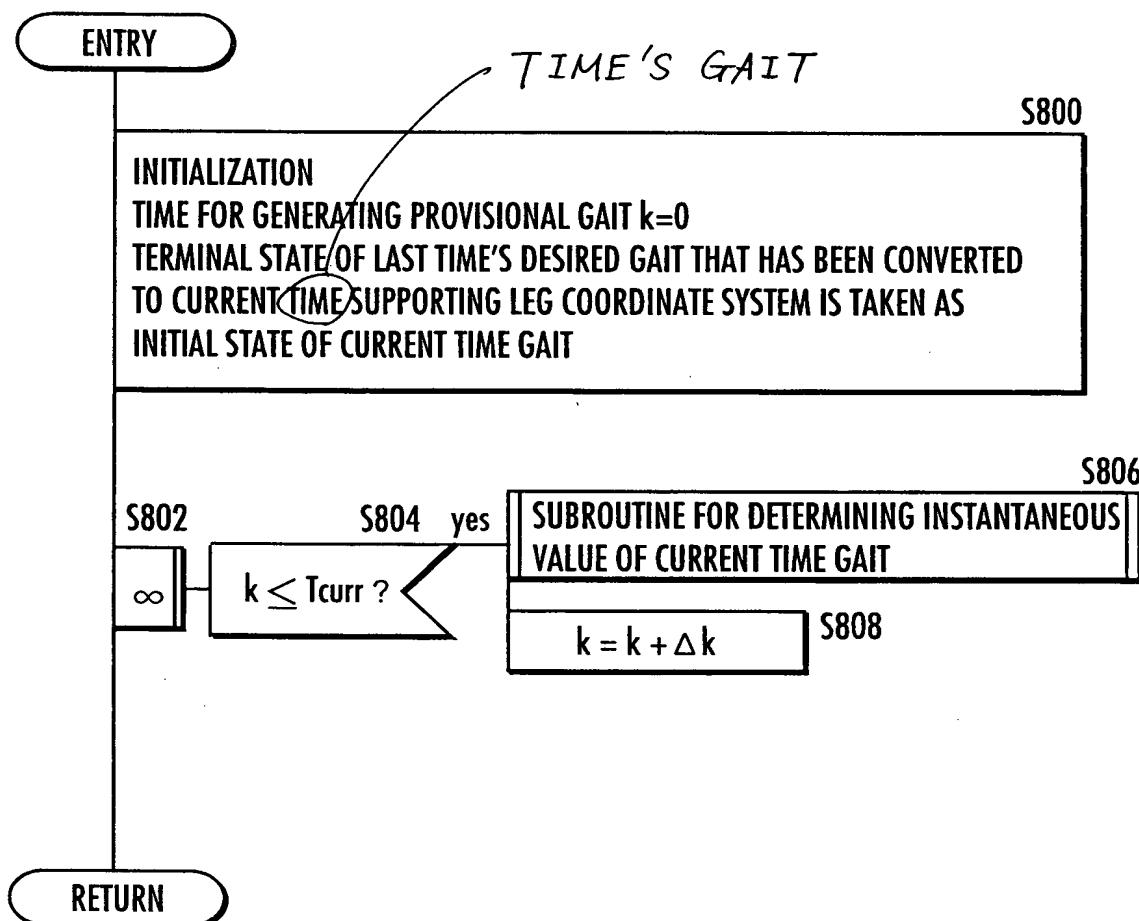


FIG.62

ENTRY

DETERMINE DIFFERENCE IN HORIZONTAL BODY POSITION BETWEEN MODELS, WHICH IS THE DIFFERENCE BETWEEN HORIZONTAL BODY POSITION OF CORRECTED GAIT AND HORIZONTAL BODY POSITION OF ORIGINAL GAIT. S2200

DETERMINE DIFFERENCE IN BODY POSTURE INCLINATION ANGLE BETWEEN MODELS, WHICH IS THE DIFFERENCE BETWEEN BODY POSTURE INCLINATION ANGLE OF CORRECTED GAIT AND BODY POSTURE INCLINATION ANGLE OF ORIGINAL GAIT. S2202

DETERMINE DIFFERENCE IN ANTI-PHASE ARM SWING ANGLE BETWEEN MODELS, WHICH IS THE DIFFERENCE BETWEEN ANTI-PHASE ARM SWING ANGLE OF CORRECTED GAIT AND ANTI-PHASE ARM SWING ANGLE OF ORIGINAL GAIT. S2204

DETERMINE REQUIRED VALUE OF MODEL HORIZONTAL BODY POSITION STABILIZATION FLOOR REACTION FORCE MOMENT NECESSARY TO CONVERGE DIFFERENCE TO ZERO ON THE BASIS OF DIFFERENCE IN HORIZONTAL BODY POSITION BETWEEN MODELS. S2206

DETERMINE REQUIRED VALUE OF MODEL BODY POSTURE INCLINATION ANGLE STABILIZATION FLOOR REACTION FORCE MOMENT NECESSARY TO CONVERGE DIFFERENCE TO ZERO ON THE BASIS OF DIFFERENCE IN BODY POSTURE INCLINATION ANGLE BETWEEN MODELS. S2208

DETERMINE REQUIRED VALUE OF MODEL ANTI-PHASE ARM SWING ANGLE STABILIZATION FLOOR REACTION FORCE MOMENT NECESSARY TO CONVERGE DIFFERENCE TO ZERO ON THE BASIS OF DIFFERENCE IN ANTI-PHASE ARM SWING ANGLE BETWEEN MODELS. S2210

DETERMINE MODEL HORIZONTAL BODY POSITION STABILIZATION MOMENT, MODEL BODY POSTURE ANGLE STABILIZATION MOMENT, MODEL ANTI-PHASE ARM SWING ANGLE STABILIZATION MOMENT, HORIZONTAL BODY ACCELERATION, BODY POSTURE ANGULAR VELOCITY, AND ANTI-PHASE ARM SWING ANGULAR ACCELERATION SUCH THAT THEY SATISFY RESTORING CONDITIONS. S2212

MODEL MANIPULATION FLOOR REACTION FORCE MOMENT HORIZONTAL COMPONENT
 = MODEL HORIZONTAL BODY POSITION STABILIZATION MOMENT
 + MODEL BODY POSTURE ANGLE STABILIZATION MOMENT S2214

DESIRED FLOOR REACTION FORCE MOMENT HORIZONTAL COMPONENT FOR COMPLIANCE CONTROL
 = COMPENSATING TOTAL FLOOR REACTION FORCE MOMENT HORIZONTAL COMPONENT M_{dmdx}
 + MODEL MANIPULATION FLOOR REACTION FORCE MOMENT HORIZONTAL COMPONENT S2216

DESIRED FLOOR REACTION FORCE MOMENT VERTICAL COMPONENT FOR COMPLIANCE CONTROL
 = COMPENSATING TOTAL FLOOR REACTION FORCE MOMENT HORIZONTAL COMPONENT M_{dmdz}
 + FLOOR REACTION FORCE MOMENT VERTICAL COMPONENT BALANCING WITH CORRECTED GAIT S2218

RETURN

VERTICAL

DESIR ED ANTI PHASE ARM SWING ANGLE
FIG.75

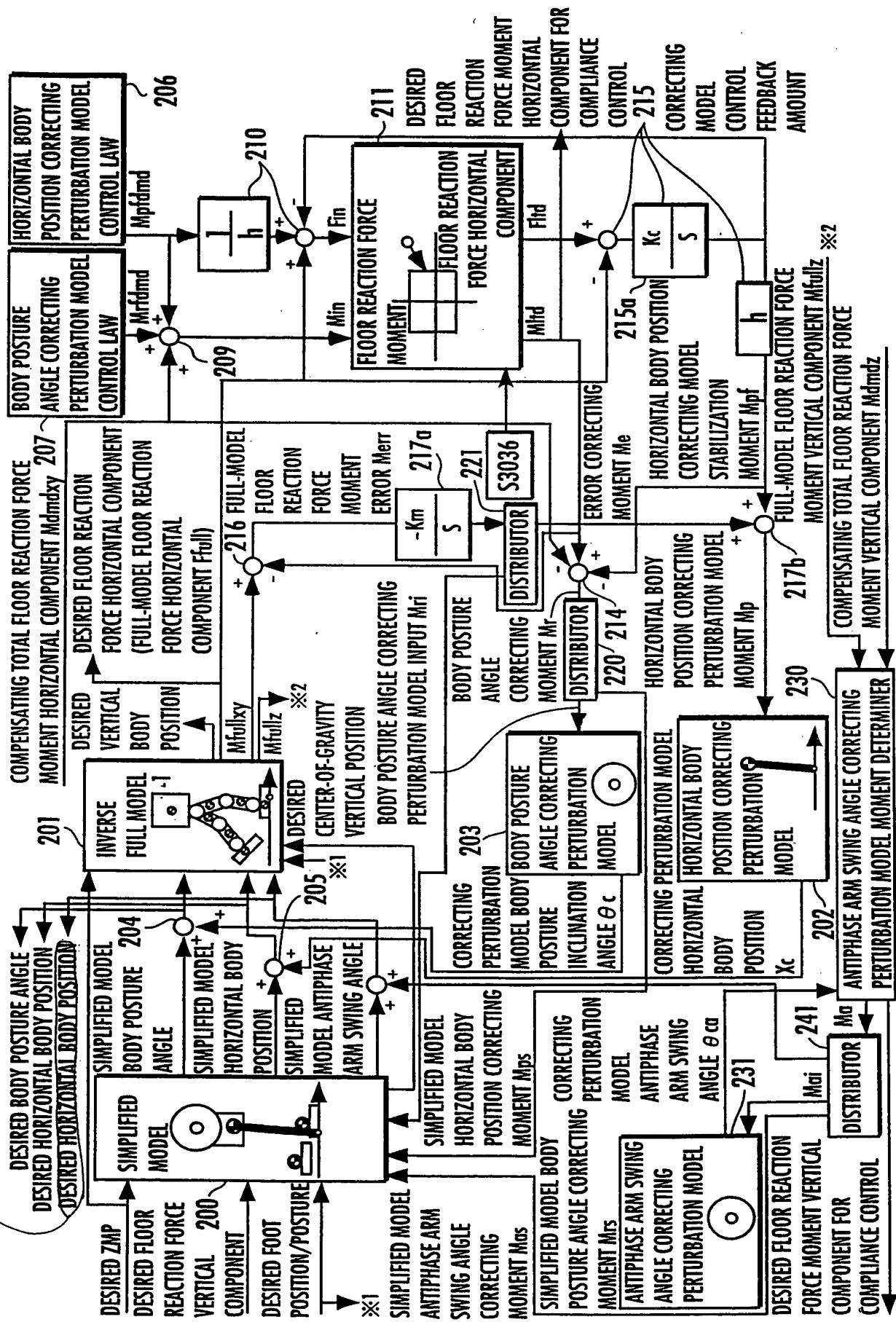


FIG.79

